

## APPENDIX B

The Preliminary Amendment amends the Specification to read as follows:

**TABLE 2.1**

Assume $B = 6$ lots per batch and $\text{WafersPerLot} = 25$ wafers per lot.
In operation (1), $\text{WaferStarts} = B * (\text{WafersPerLot}) = 6 * 25 = 150$ wafers
In operation (2), assume remaining wafers starts ( $RW_T$ ) $> 150$ wafers, thus $\text{WaferStarts}$ is unchanged
In operation (3), assume previous $\text{Starts} = 0$ , thus $\text{Starts} = 0 + \text{WaferStarts} = 150$
In operation (4), assume product $P_i$ is chosen to start all 150 wafers
In operation (5), calculate consumption time of 150 wafers of product $P_i$
In Figure 6, product $P_i$ has a processing time $D_{i,g} = 2$ minutes per wafer at the first "etcher" bottleneck occurrence at step 4.
When 150 wafers are released into the manufacturing line, they will immediately become part of bottleneck segment 1. The virtual WIP that will be added to segment 1 is derived by the formula on line 12 of page 22, substituting $\text{WaferStarts}$ as the additional WIP in segment 1: $V_{i,g} = (D_{i,g} / M) * \text{WaferStarts}$
Assume $M = 2$ machines.
Then consumption time for 150 $\text{WaferStarts}$ at the first bottleneck occurrence is: $\text{Consumption Time} = (2 / 2) * 150 = 150 \text{ minutes}$
Thus operation [(4)] (5) increases the delta VWIP ( $DV_i$ ) for this bottleneck by 150 minutes: $DV_i = DV_i + 150$